

In The Claims:

1. (Currently Amended) A method for creating a narrow linewidth hybrid semiconductor laser comprising:
coupling using a ring resonator in combination with external feedback elements that use Bragg gratings semiconductor gain chip to a single external feedback element, said external feedback element comprising a ring resonator and a Bragg grating.
2. (Canceled)
3. (Canceled)
4. (Canceled)
5. (Currently Amended) The method of claim 1 wherein said external feedback ~~elements comprise of~~ element is coupled to a waveguide.
6. (Original) The method of claim 5 wherein said waveguide is made of silicon-oxide and silicon-oxinitride.
7. (Original) The method of claim 1 wherein said ring resonator is based on plasma enhanced chemical vapor deposition silicon-oxide/silicon-oxinitride waveguide technology.
8. (Original) The method of claim 1 wherein said ring resonator further comprises a waveguide ring and two straight waveguide sections.
9. (Original) The method of claim 8 wherein said waveguide ring and said two straight waveguide sections are coupled through evanescent wave interaction.

10. (Canceled).

11. (Canceled).

12. (Currently Amended) ~~An apparatus for creating a~~ A narrow linewidth hybrid semiconductor laser apparatus comprising:

~~the use of a ring resonator in combination with semiconductor gain chip coupled to a single external feedback element elements that use Bragg gratings, said external feedback element comprising a ring resonator and a Bragg grating.~~

13. (Canceled)

14. (Canceled)

15. (Canceled)

16. (Currently Amended) The apparatus of claim 12 wherein said external feedback ~~elements comprise of~~ element is coupled to a waveguide.

17. (Original) The apparatus of claim 16 wherein said waveguide is made of silicon-oxide and silicon-oxinitride.

18. (Original) The apparatus of claim 12 wherein said ring resonator is based on plasma enhanced chemical vapor deposition silicon-oxide/silicon-oxinitride waveguide.

19. (Original) The apparatus of claim 12 wherein said ring resonator further comprises a waveguide ring and two straight waveguide sections.

20. (Original) The apparatus of claim 19 wherein said waveguide ring and said two straight waveguide sections are coupled through evanescent wave interaction.

21. (Canceled)

22. (Canceled)